

# TOWNSHIP OF MARKHAM

## WATER SUPPLY SYSTEM

### ANNUAL REPORT

1960

PREPARED BY

THE DIVISION OF PLANT OPERATIONS

ONTARIO WATER RESOURCES COMMISSION

Copyright Provisions and Restrictions on Copying:

This Ontario Ministry of the Environment work is protected by Crown copyright (unless otherwise indicated), which is held by the Queen's Printer for Ontario. It may be reproduced for non-commercial purposes if credit is given and Crown copyright is acknowledged.

It may not be reproduced, in all or in part, for any commercial purpose except under a licence from the Queen's Printer for Ontario.

For information on reproducing Government of Ontario works, please contact ServiceOntario Publications at [copyright@ontario.ca](mailto:copyright@ontario.ca)



# MARKHAM TOWNSHIP WATER

57-W-1

## 1960 ANNUAL REPORT

In 1956, the Township obtained approval from the Ontario Municipal Board to prepare plans and specifications for a water supply system to serve the developed south-west portion of the Township.

The consulting engineers, Babcock Scrivener Limited, had International Water Supply Limited locate a 1 million gallon per day well source.

Tenders were called in May, 1958 and the following contracts awarded:

1. Wells, reservoir and Pumping Station,  
James McKay and Sons  
Final Cost \$395,634.33
2. Pumps,  
Railway & Power Equipment Ltd.  
Final Cost \$ 6,086.70

The system was ready and operating in March, 1959 and there was an official opening on July 27, 1960.

The system comprises of:

Pump House: situated over well No. 1  
deep well pump 350 gpm with stand-by gasoline engine  
storage reservoir 110,000 gallons  
1 high lift pump 100 gpm  
1 high lift pump 250 gpm with stand-by gasoline engine

Well House: situated over well No. 2  
1 deep well pump 350 gpm

Distribution: 41,000 ft. 6" to 12" cast iron pipe.

There have been additions to this since original installation.

The minimum daily consumption was 84,000 gpd in May.

The maximum daily consumption was 180,000 gpd in September.

The total gallons pumped were 44 million gallons for an operating cost of \$7,955.00, or \$.18 per 1000 gallons.

Included in these figures of water consumption are roughly 500,000 gallons per month drawn from the pumping station by tank truck.

There have been minor difficulties in setting up controls to ensure supply of water at all times, but the system is now being run quietly and efficiently.

The chart on Page 3 shows the total demand for each month in 1960.

A point of interest is the high demand in late summer. This might be attributed in part to lawn watering.

A layout of the original system is shown on plan. This system has been considerably extended by Markham Township to meet the demands of new subdivisions. These extensions are beyond the operating jurisdiction of the OWRC. However, the Commission Operator Ian Baron, and Walter Craig of Markham Township cooperated in servicing the entire system:

Their duties consist of -

- a) Servicing existing meters.
- b) Installing new meters.
- c) Servicing hydrants.
- d) Periodic Flushing of mains.
- e) Cleaning reservoir.
- f) Emergency calls for breaks, etc.

The Commission Operators duties also include operation and maintenance of the pumping station.

Regular sampling of water is made throughout the system and these samples are submitted to the OWRC Laboratories for analysis. This ensures the consumers a constant supply of potable water.

It is obvious that close cooperation between the Commission and the Township is necessary. It is equally obvious that this cooperation has been achieved.

**MARKHAM TOWNSHIP**

**WATER WORKS**

HWY. NO 7

MARKHAM TWP.

GREEN LANE

JOHN ST.

STEELES AVE.

NORTH

YORK TWP.

PUMPHOUSE  
& STORAGE

DON MILLS RD.

( WOODBINE AVE )

'LESLIE ST.

3RD CONCESSION

BAYVIEW

C.N.R.

C.N.R.

THORNHILL

8''

10''

10'

10'

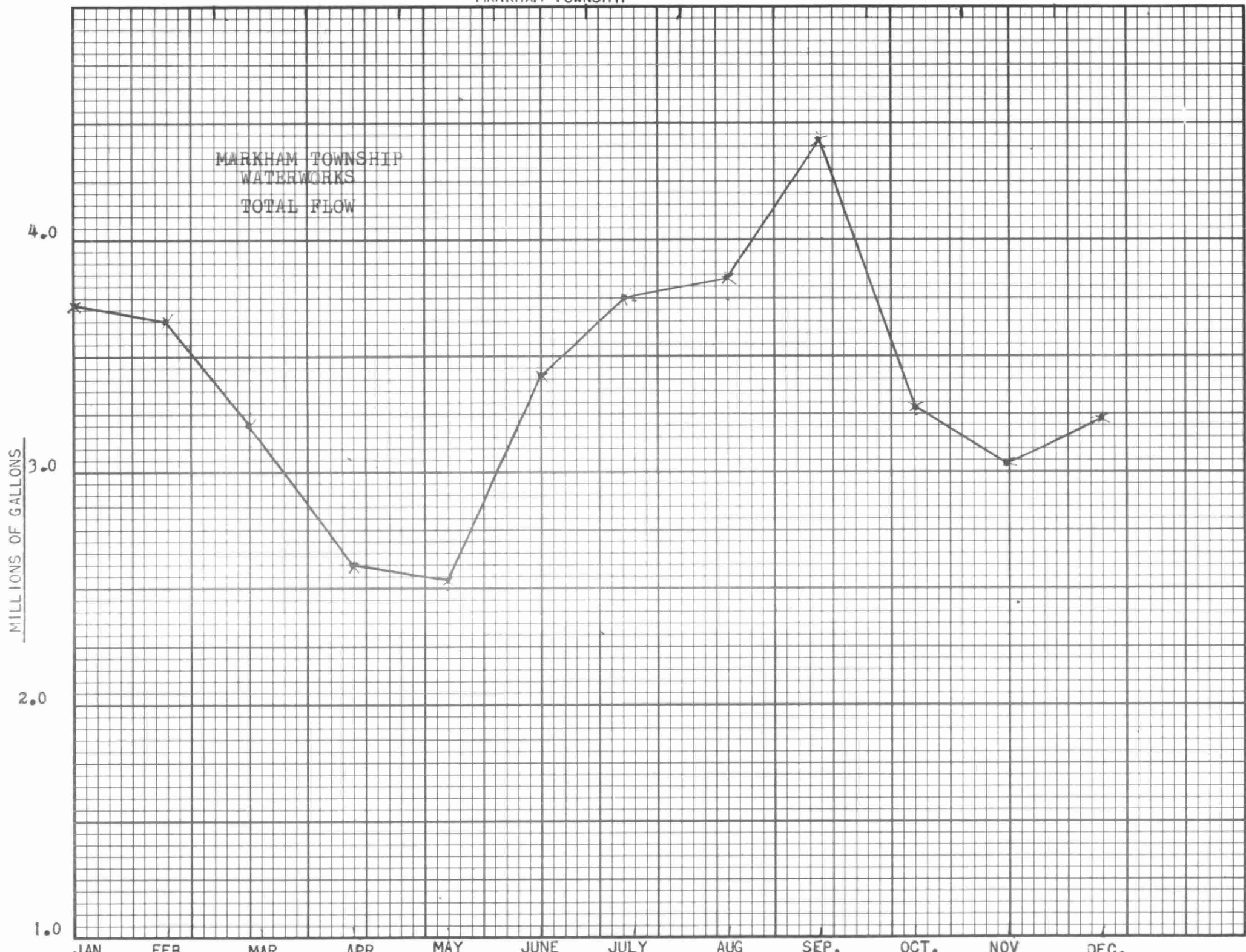
VAUGHAN TWP.

YONGE ST.

NO. 7



MARKHAM TOWNSHIP  
WATERWORKS  
TOTAL FLOW





LABORATORY LIBRARY



\*96936000119320\*

